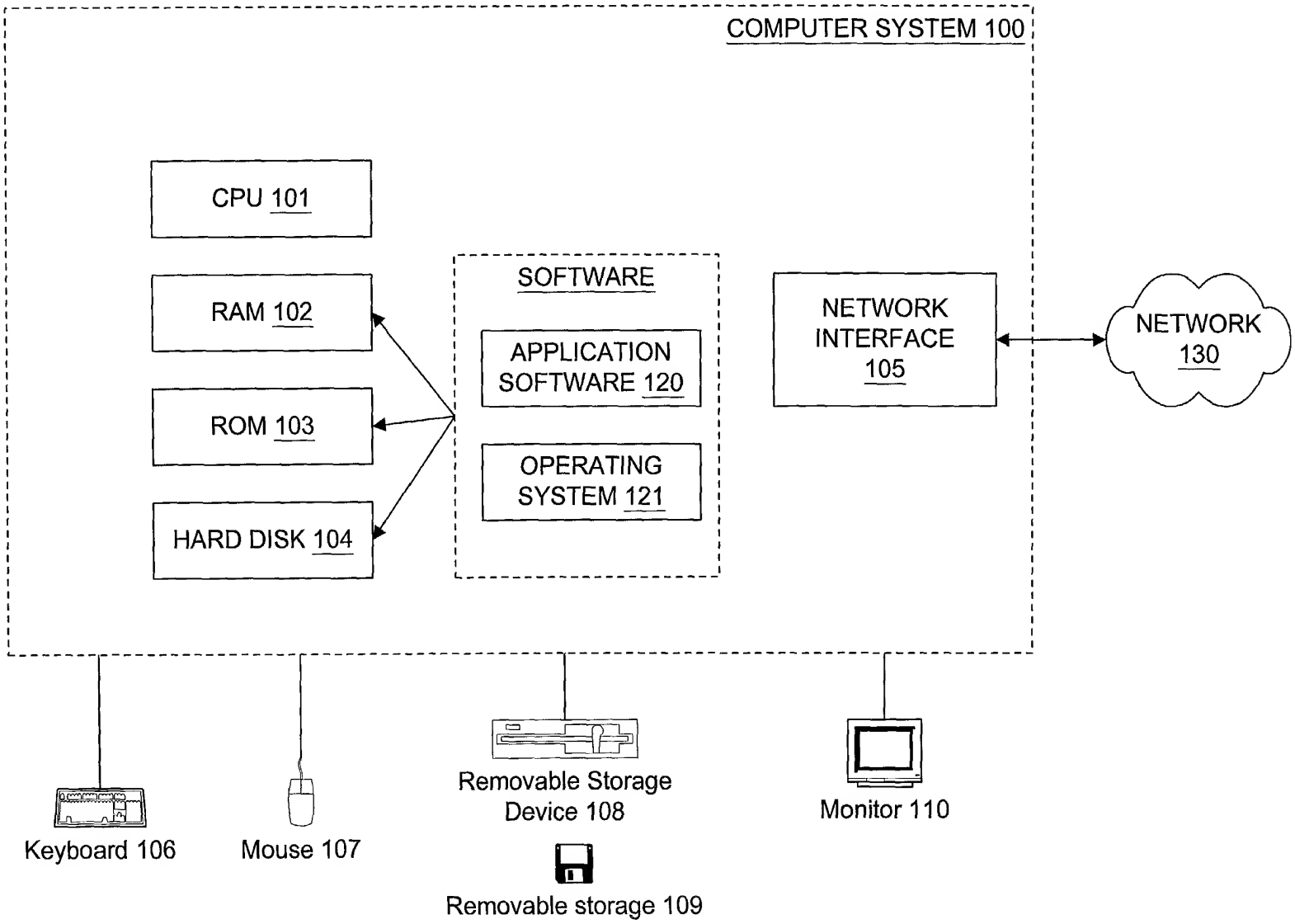
Docket No.: ETS-0200
Title: SYSTEMS AND METHODS FOR COMPUTER-BASED TESTING USING NETWORK-BASED SYNCHRONIZATION OF INFORMATION
Inventors: Gary F. Driscoll, Frank Strasz, Ken Berger, Steve Hendershott, Edwarding Adams and Ram Vaidya
Sheet 1 of 7

FIG. 1



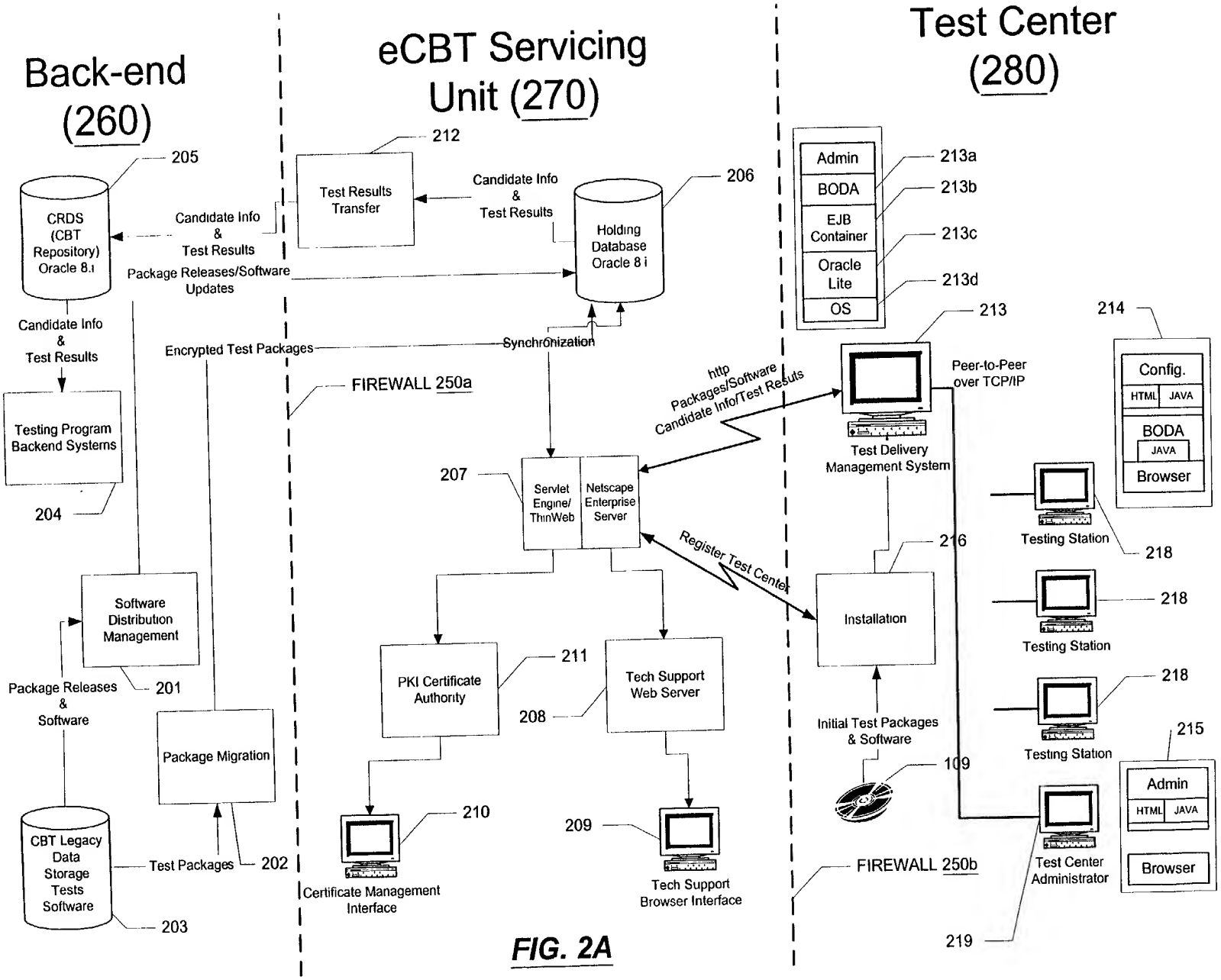

Back-end (260)
eCBT Servicing Unit (270)
Test Center (280)
205
CRDS (CBT Repository) Oracle 8.i
Candidate Info & Test Results
212
Test Results Transfer
Candidate Info & Test Results
206
Holding Database Oracle 8 i
Package Releases/Software Updates
Admin
BODA
EJB Container
Oracle Lite
OS
213a
213b
213c
213d
213
214
Config.
HTML
JAVA
BODA
JAVA
Browser
Candidate Info & Test Results
Encrypted Test Packages
Synchronization
FIREWALL 250a
http Packages/Software Candidate Info/Test Results
Peer-to-Peer over TCP/IP
Test Delivery Management System
Testing Program Backend Systems
204
207
Servlet Engine/ ThinWeb
Netscape Enterprise Server
Register Test Center
216
Testing Station
218
Software Distribution Management
201
Installation
Testing Station
218
Package Releases & Software
PKI Certificate Authority
211
Tech Support Web Server
208
Testing Station
218
Initial Test Packages & Software
215
109
Admin
HTML
JAVA
Package Migration
CBT Legacy Data Storage Tests Software
Test Packages
202
210
209
Test Center Administrator
Browser
Certificate Management Interface
Tech Support Browser Interface
FIREWALL 250b
203
219

FIG. 2A

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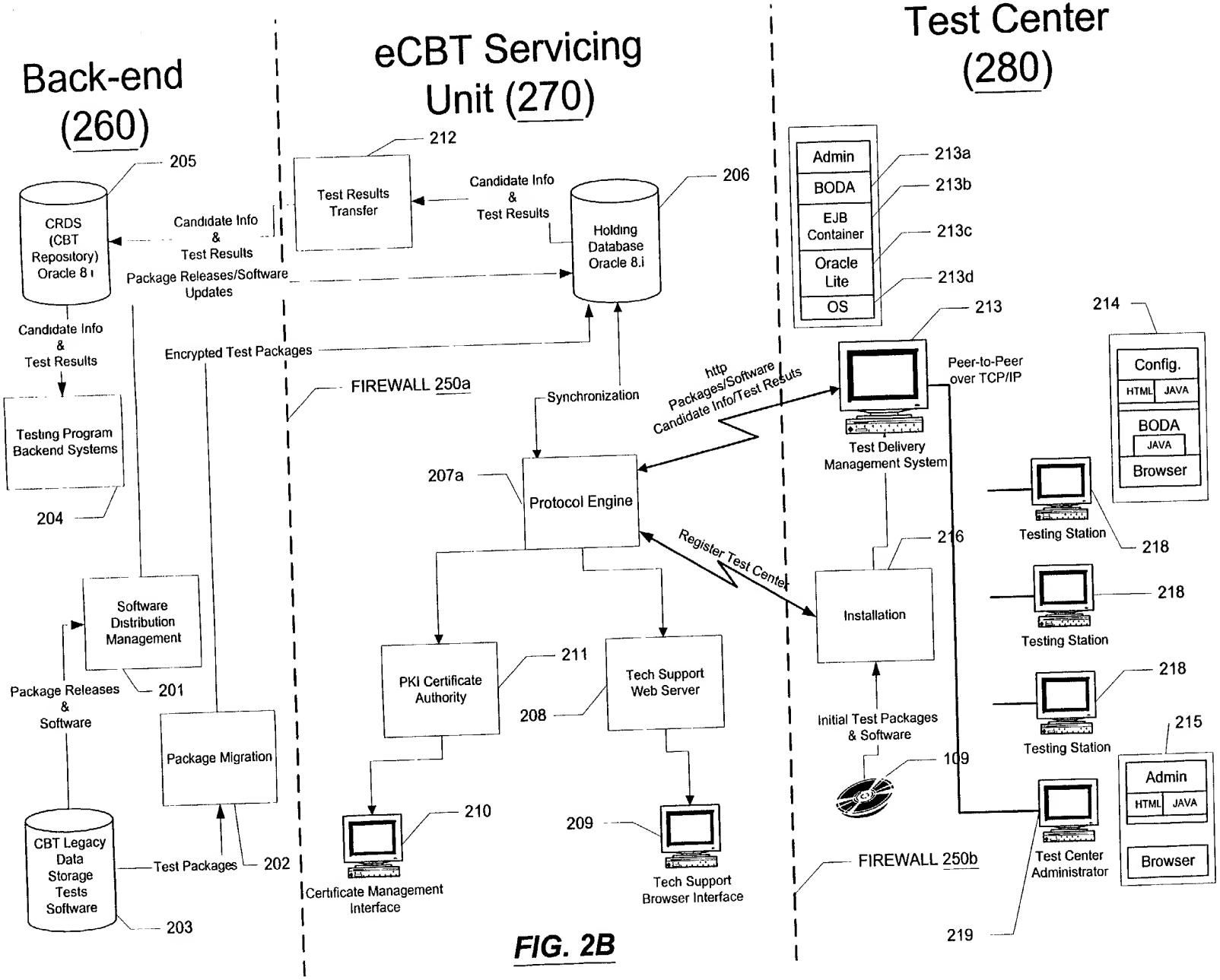

FIG. 2B

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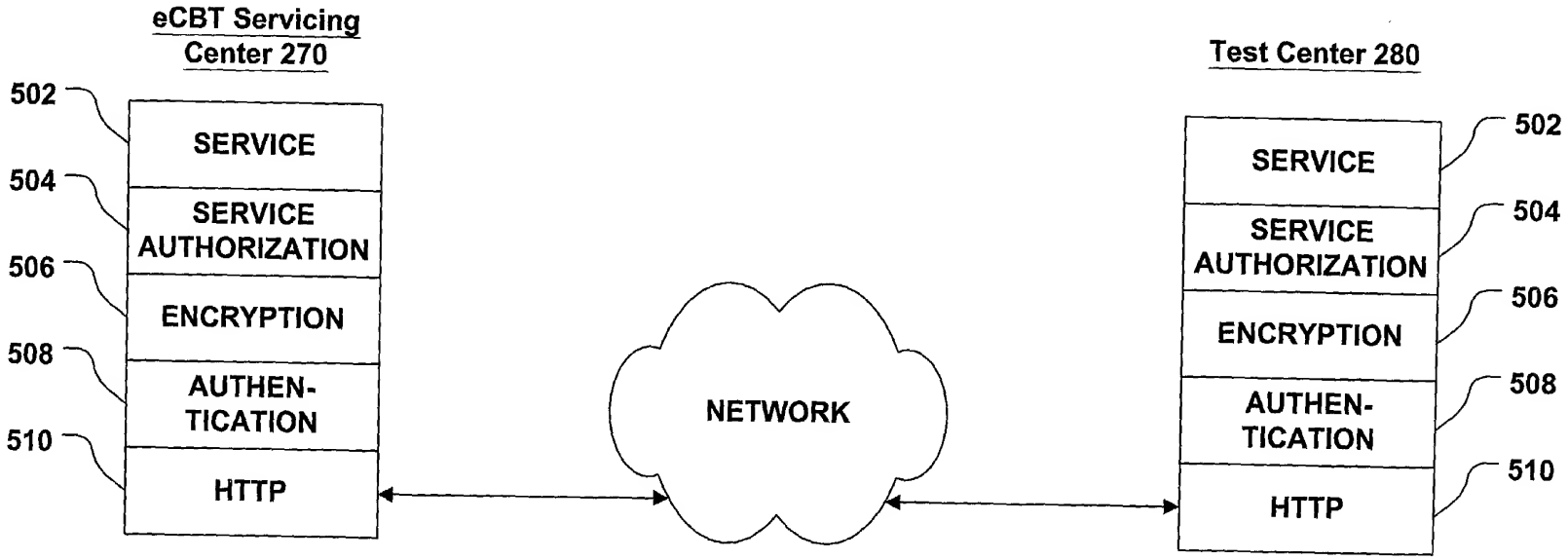

FIG. 2C

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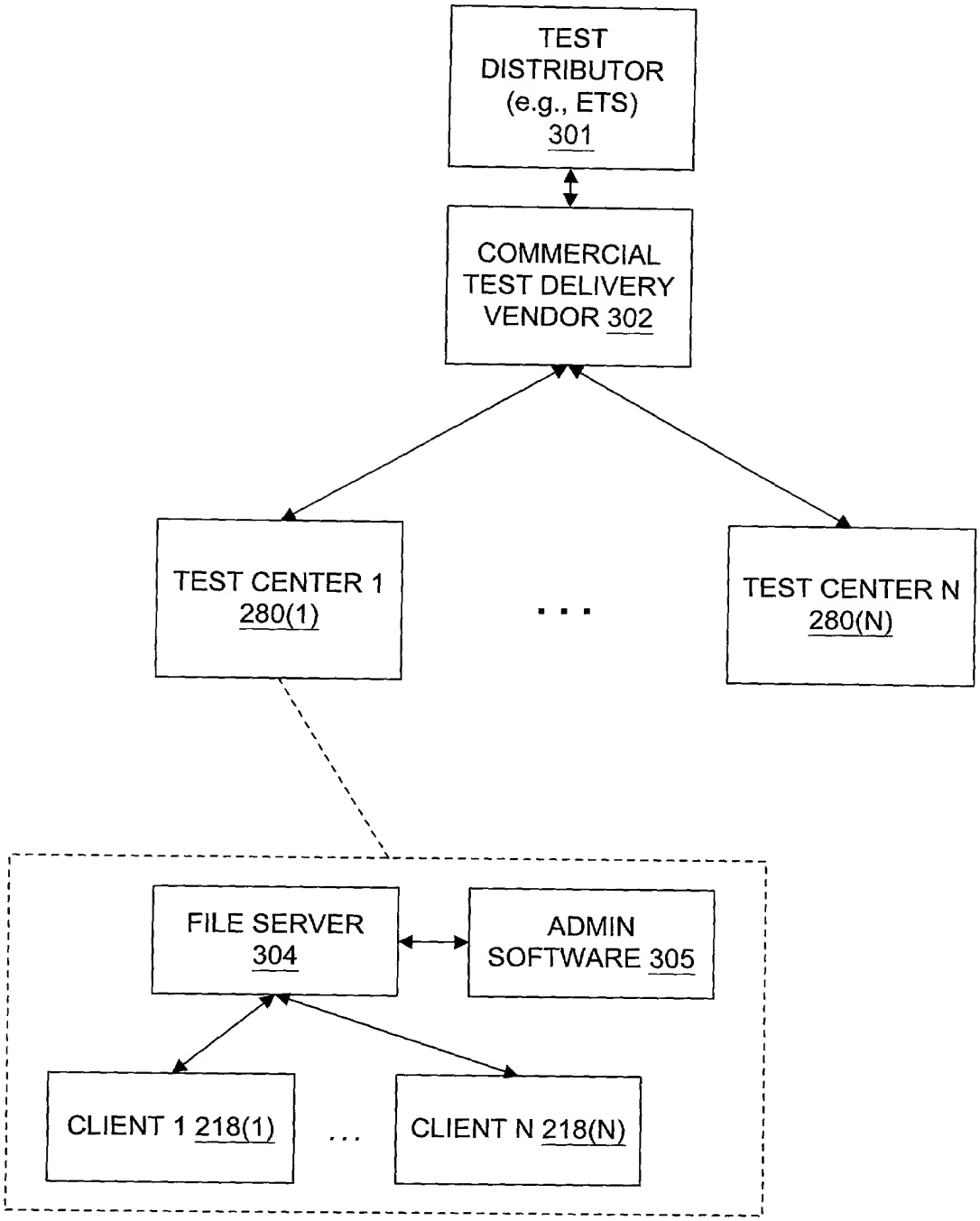
FIG. 3



TOPE20 "26270660

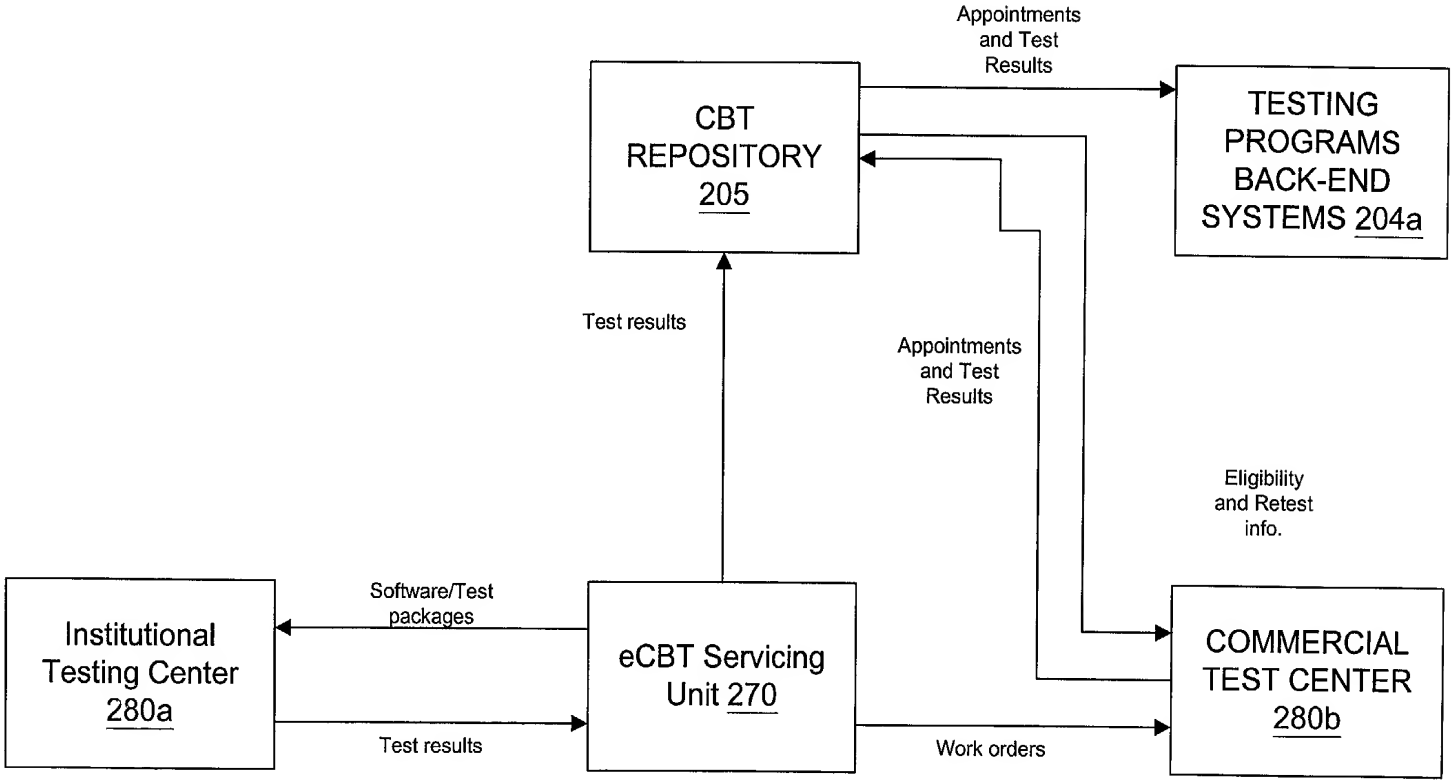


FIG. 4

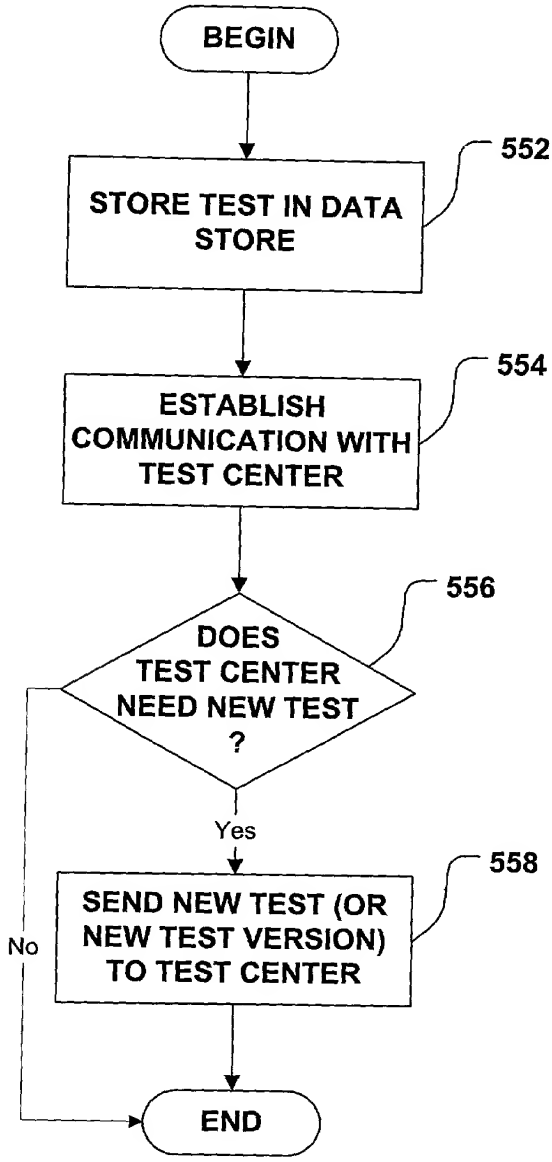

BEGIN
STORE TEST IN DATA STORE
552
ESTABLISH COMMUNICATION WITH TEST CENTER
554
DOES TEST CENTER NEED NEW TEST ?
556
Yes
No
SEND NEW TEST (OR NEW TEST VERSION) TO TEST CENTER
558
END

FIG. 5